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NOTICE OF ALLOWANCE AND FEE(S) DUE

32294 7590 03/07/2008 SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT

TYSONS CORNER, VA 22182

EXAMINER
OLSEN, LIN B
ART UNIT PAPER NUMBER

DATE MAILED: 03/07/2008

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|--|-------------|----------------------|---------------------|------------------|--|
| 10/808,336 | 03/25/2004 | Nobuo Higaki | 59349.00016 | 5455 | |
| TITLE OF INVENTION: BIPED ROBOT CONTROL SYSTEM | | | | | |

 APPLN. TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEE(s) DUE
 DATE DUE

 nonprovisional
 NO
 \$1440
 \$300
 \$0
 \$1740
 0609/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notifical | form should be used to correspondence including a below or directed off tions | or trans ig the F ierwise | smitting the ISSU atent, advance or in Block 1, by (a | JE FEE and PUBLICAT rders and notification of a a) specifying a new corre | ION FEE (if requestion in the requestion of the | ired). I vill be and/o | Blocks 1 through 5 s mailed to the current r (b) indicating a sepa | hould be completed w correspondence addre- trate "FEE ADDRESS | here ss as " for |
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| 14TH FLOOR 8000 TOWERS | | | .L.P. | I be | Cer | tificat | e of Mailing or Trans | mission g deposited with the Ui st class mail in an enve above, or being facsi ate indicated below. | nited lope mile |
| TYSONS CORN | NER, VA 22182 | | | | | | | (Depositor's n | ame) |
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| nonprovisional | NO | | \$1440 | \$300 | \$0 | | \$1740 | 06/09/2008 | |
| EXAM | INER | | ART UNIT | CLASS-SUBCLASS | 1 | | | | |
| OLSEN | | | 366I | 700-255000 | • | | | | |
| "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DAT. iess an assignce is ident h in 37 CFR 3.11. Comj | nge of C " Indica ed. Use | Correspondence tion form of a Customer E PRINTED ON 3 | 2. For printing on the p (I) the names of up to or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atte listed, no name will be THE PATENT (print or ty data will appear on the pT a substitute for filing an (B) RESIDENCE: (CIT) | o 3 registered pater vely, le firm (having as a agent) and the nam rneys or agents. If printed. pe) | memb es of u no nan | per a 2p to ne is 3 | ocument has been filed | |
| Please check the appropri | iate assignee category or | categor | | inted on the patent): | Individual 🗖 Co | orporat | ion or other private gro | oup entity 🗖 Governs | nent |
| 4a. The following fee(s): Issue Fee Publication Fee (N Advance Order - # | o small entity discount j | permitte | | o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can The Director is hereby overpayment, to Depo | rd. Form PTO-2038 | is att | ached. required fee(s), any de | | m). |
| | s SMALL ENTITY state | is. See 3 | 37 CFR 1.27. | ☐ b. Applicant is no lon | | | | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) w tes Pate | rill not be accepted nt and Trademark | d from anyone other than to Office. | the applicant; a regi | stered | attorney or agent; or th | ne assignee or other par | ty in |
| Authorized Signature | | | | | Date | | | | |
| Typed or printed name | | | | | Registration N | | | | |
| This collection of inform an application. Confident submitting the completes this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this bu firginia 22313-1450. DC 13-1450. | FR 1.3 U.S.C. USPTo rden, sh O NOT S | 11. The informatic 122 and 37 CFR D. Time will vary ould be sent to the SEND FEES OR | on is required to obtain or 1.14. This collection is es depending upon the indi- e Chief Information Offic COMPLETED FORMS T | retain a benefit by t timated to take 12 i vidual case. Any co er, U.S. Patent and O THIS ADDRESS | he pub minute ommen Trader S. SEN | lic which is to file (and is to complete, including to on the amount of the mark Office, U.S. Dep D TO: Commissioner | I by the USPTO to proving gathering, preparing, me you require to compartment of Commerce, for Patents, P.O. Box 1 | ess) and olete P.O. 450, |

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| 32294 7. | 590 03/07/2008 | | EXAMINER | | |
| SQUIRE, SAND | ERS & DEMPSEY I | L.P. | OLSEN, LIN B | | |
| 14TH FLOOR | | | ART UNIT | PAPER NUMBER | |
| 8000 TOWERS C TYSONS CORNE | | | 3661 DATE MAILED: 03/07/200 | 8 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 826 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 826 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

| Application No. | Applicant(s) | |
|-----------------|---------------|--|
| 10/808,336 | HIGAKI ET AL. | |
| Examiner | Art Unit | |
| LIN BOLSEN | 3661 | |

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|--|--|--|--------------------|--|--|--|
| | LIN B. OLSEN | 3661 | | | | |
| The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to | olication. If not include will be mailed in due | ed course. THIS | | | |
| 1. This communication is responsive to <u>11/26/2007</u> . | | | | | | |
| 2. The allowed claim(s) is/are <u>1-10</u> . | | | | | | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN. | been received. been received in Application No cuments have been received in this r | national stage applica | | | | |
| THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF | | | | | | |
| INFORMAL PATENT APPLICATION (PTO-152) which give | | tion is deficient. | | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | | | | | | |
| (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | • , | 948) attached | | | | |
| (b) ☐ including changes required by the attached Examiner's | | ffice action of | | | | |
| Paper No./Mail Date | | | | | | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | .84(c)) should be written on the drawir he header according to 37 CFR 1.121(d | igs in the front (not the i). | back) of | | | |
| DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | Note the | | | |
| | | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 9/5/2007 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 5. Notice of Informal P. 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other | (PTO-413), e nent/Comment | wance | | | |
| | | | | | | |

Application/Control Number: 10/808,336

Art Unit: 3661

DETAILED ACTION

Response to Amendment

This is a response to the amendment and arguments file November 26, 2007.

Specification

The amendments to the specification at pages 1 and 18 have been entered.

Information Disclosure Statement

Applicant's arguments, see page 7 of response, filed November 26, 2007, with respect to the IDS have been fully considered and are persuasive. The objection to the IDSes has been withdrawn.

Response to Arguments

Applicant's arguments, see Amendments to the claims pages 3-6 of response filed November 26, 2007, and arguments pages 8–12 of the same response have been fully considered and are persuasive. The rejection of claims 1-10 has been withdrawn.

Allowable Subject Matter

Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance: The cited prior art does not teach or suggest a bi-ped robot that captures a stereoscopic image around the robot, analyzes that image, detects the presence of a moving object around

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Art Unit: 3661

the robot based on the analyzed image, calculates a position and angle of the moving object relative to the robot, determines whether the motion of the robot needs to be stopped, controls the motion of the bi-ped robot to stop the motion, when the motion of the robot is determined to be stopped, such that the distance of travel from the capture of the image to the stopping of the robot falls within a predetermined distance and the processing time, based on an amount of time from the capturing of the image to the controlling of the robot to stop motion, is set so that the distance of travel of the robot does not exceed the difference between the predetermined distance and the distance the robot would travel in two walking steps of the legs of the robot.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIN B. OLSEN whose telephone number is (571)272-9754. The examiner can normally be reached on Mon - Fri, 8:30 -5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas G. Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LO

/Thomas G. Black/

Supervisory Patent Examiner, Art Unit 3661